

CLAIMS

What is claimed is:

- 1 1. An aviation tire comprising:
2 a pair of side walls, said side walls having an outer surface;
3 a tread portion spanning a radial outer extremity of said side walls; and
4 a rotating assembly formed on said side wall or said tread portion, said
5 rotating assembly having an increased resistance to wind when located at a
6 lowermost portion of the tire.
- 1 2. The aviation tire of claim 1, wherein said rotating assembly includes a leading wall
2 and a trailing wall, wherein said leading wall faces rearward at an upper most
3 portion of the tire and faces forward at a lower most portion of the tire, said leading
4 wall having an increased resistance to wind relative to said trailing wall.
- 1 3. The aviation tire of claim 2, wherein said leading wall extends substantially
2 perpendicular to an outer surface of the tire.
- 1 4. The aviation tire of claim 3, wherein said trailing wall connects to said leading wall
2 at a vertex and extends from said vertex to said outer surface of the tire, wherein
3 said trailing wall is longer than said leading wall.
- 1 5. The aviation tire of claim 2, wherein said rotating assembly is formed on said side
2 wall and wherein said leading wall and said trailing wall are recessed from said
3 outer surface of said tire to from an indent on said side wall.
- 1 6. The aviation tire of claim 4, wherein plural rotating assemblies are formed on said
2 side walls in a circumferential row.
- 1 7. The aviation tire of claim 5, wherein plural rows of indents are formed on said side
2 wall, said rows of indents being circumferentially offset relative to each other.

- 1 8. The aviation tire of claim 6, wherein indents within a row are of increasingly
2 smaller dimension relative to a radially outward located row of indents.
- 1 9. The aviation tire of claim 2, wherein said rotating assembly is located on said tread
2 portion, said leading wall and said trailing wall extending radially outward to form
3 a ridge on said tread portion.
- 1 10. The aviation tire of claim 8, wherein said tread portion has an outer circumferential
2 plane, wherein said ridges are located within said circumferential plane.
- 1 11. The aviation tire of claim 9, wherein said tread portion defines a groove, wherein
2 said ridges are located within said groove.